

NOTICE AND NECESSARY INFORMATION (NANI)

This form is to assist compliance with the bulk sewage (biosolids) notification requirements [503.12(f)]. Please note, however, that if the biosolids meet the exceptional quality criteria, then the notification requirements do not apply. This form can be used by preparers of biosolids to transmit information to land appliers and also by land appliers to transmit information to land owners or lease holders.

Facility and Biosolids Type:: GWRP Compliance

Monitoring Period: 3/1/17 To: 4/30/17

Name	Concentration (mg/Kg) Dry Weight	Pollutant Concentrations (Table 3, 40 CFR 503.13) Monthly Average	Ceiling Concentrations* (Table I, 40 CFR 503.13) Daily Maximum
Arsenic	< 14	41	75
Cadmium	< 2.3	39	85
Chromium	33	N/A**	3000
Copper	190	1500	4300
Lead	5.0	300	840
Mercury	0.42	17	57
Molybdenum	9.9	N/A**	75
Nickel	15	420	420
Nitrogen Concen	54800	N/A**	N/A**
Selenium	< 23	100	100
Zinc	580	2800	7500

* Biosolids may not be land applied if any pollutant exceeds these values.

** EPA has temporarily removed molybdenum limits from Table 3, Table 2 and Table

B. Pathogen Reduction (40CFR 503.32) -- Please indicate the level achieved


☐ Class A ☒ Class B

C. Vector Attraction Reduction (40CFR 503.33) -- Please indicate the option perform

☒ Option 1 ☐ Option 2 ☐ Option 3 ☐ Option 4
☐ Option 5 ☐ Option 6 ☐ Option 7 ☐ Option 8
☐ No vector attraction reduction options were performed

D. Certification

I certify, under penalty of law, that the information that will be used to determine compliance with the Class B pathogen requirements in §503.32(b) and the vector attraction reduction requirement in §503.33(b)(1) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

A. Name and Official Title Jennifer Hetherington, Wastewater Compliance Specialist	B. Area Code and Telephone Number 480-644-3890
C. Signature 	D. Date Signed 4/3/17

Laboratory Sample ID: 170309003

DENALI_005184



CITY OF MESA COMPLIANCE LABORATORY

640 NORTH MESA DRIVE MESA, ARIZONA 85211

Environmental Laboratory License AZ0410

LABORATORY SUPERVISOR: MATTHEW REXING Ph (480)644-5403

QUALITY ASSURANCE COORDINATOR: Amy Cerwinske Ph (480)644-6901

Attn: Jennifer Hetherington

OrderID: 170309003

CollectDate: 3/9/2017

Collection Time: 5:15:00 AM

Collector: R. Adams

Sample Number: 17030413

ReceiveDate: 3/9/2017

Customer Sample#:

Project ID: GWRP Biosolids

Site: GWRP Biosolids

RESULTS

Parameter	Method No	MRL	Qualifier	Result	Analysis Date	Analyst
Nitrogen, Ammonia Total	SM4500-NH3D	228	D2	7840 mg/Kg-dry	3/14/2017	PSERIA
Cyanide, Total	EPA 9014	18		< 18 mg/Kg-dry	3/13/2017	TAL
Arsenic, Total	EPA 6010C	14		< 14 mg/Kg-dry	3/28/2017	TAL
Cadmium, Total	EPA 6010C	2.3		< 2.3 mg/Kg-dry	3/28/2017	TAL
Chromium, Total	EPA 6010C	9.1		33 mg/Kg-dry	3/28/2017	TAL
Copper, Total	EPA 6010C	11		190 mg/Kg-dry	3/28/2017	TAL
Lead, Total	EPA 6010C	4.6		5.0 mg/Kg-dry	3/28/2017	TAL
Molybdenum, Total	EPA 6010C	9.1		9.9 mg/Kg-dry	3/28/2017	TAL
Nickel, Total	EPA 6010C	9.1		15 mg/Kg-dry	3/28/2017	TAL
Selenium, Total	EPA 6010C	23		< 23 mg/Kg-dry	3/28/2017	TAL
Silver, Total	EPA 6010C	11		< 11 mg/Kg-dry	3/28/2017	TAL
Zinc, Total	EPA 6010C	23		580 mg/Kg-dry	3/28/2017	TAL
Selenium, Total	EPA 6010C	0.25		< 0.25 mg/L	3/15/2017	TAL
Mercury, Total	EPA 7471A	0.27		0.42 mg/Kg-dry	3/16/2017	TAL
Nitrogen, Nitrate-Nitrite Total	EPA 9056	102	D1, M2	< 102 mg/Kg-dry	3/13/2017	KHALLA
Nitrogen, Kjeldahl Total	SM4500-Norg	902		54800 mg/Kg-dry	3/23/2017	PSERIA
Nitrogen, Total	Calculation	1000		54800 mg/Kg-dry	3/28/2017	mrexing
Paint Filter	EPA 9095B			abs pres/abs	3/13/2017	PSERIA
Percent Moisture	SM2540G	0.1		78.3 %	3/10/2017	TAL
Percent Soil	SM2540G	0.1		21.7 %	3/10/2017	TAL
pH	EPA 9045D	1.68		8.20 S.U.	3/13/2017	PSERIA
Phosphate as P, Total	SM4500-P	4532	D2, M4, R2	30500 mg/Kg-dry	3/15/2017	PSERIA
Solids, Total	SM2540G	1		22.0 %	3/10/2017	GSMITH2

QUALIFIERS

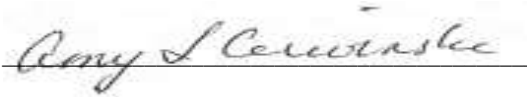
D2 Sample diluted due to high concentration.

COMMENTS

D1 Sample required dilution due to matrix. M2 Matrix spike recovery was low; the associated blank spike recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The associated blank spike recovery was acceptable. R2 RPD/RSD exceeded the laboratory acceptance limit due to matrix.

REVIEWED BY:



Date Signed: 4/3/2017

DENALI 005187